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RAW SEQUENCE LISTING

DATE: 04/11/2002

PATENT APPLICATION: US/09/986,667

TIME: 12:53:29

Input Set : A:\Sequence Listing DIV4.txt

Output Set: N:\CRF3\04112002\I986667.raw

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3 <110> APPLICANT: HO, CHIEN
4      ISAI, CHING-HSUAN
5      FANG, TSUEI-YUN
6      SHEN, TONG-JIAN
8 <120> TITLE OF INVENTION: LOW OXYGEN AFFINITY MUTANT HEMOGLOBIN
10 <130> FILE REFERENCE: 002547/20118DIV4
12 <140> CURRENT APPLICATION NUMBER: 09/986,667
13 <141> CURRENT FILING DATE: 2001-11-09
15 <150> PRIOR APPLICATION NUMBER: 09/598,218
16 <151> PRIOR FILING DATE: 2000-06-21
18 <160> NUMBER OF SEQ ID NOS: 7
20 <170> SOFTWARE: PatentIn version 3.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 28
24 <212> TYPE: DNA
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: Primer to introduce
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35 <210> SEQ ID NO: 2
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51 <213> ORGANISM: Artificial Sequence
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54 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: Primer to introduce
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57 <400> SEQUENCE: 3
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62 <211> LENGTH: 27

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63 <212> TYPE: DNA

64 <213> ORGANISM: Artificial Sequence

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66 <220> FEATURE.

67 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: Primer to introduce
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68 Q mutation into plasmid pHE7

70 <400> SEQUENCE: 4

71 acgagaccagt acttgtecca ggaagct 27

74 <210> SEQ ID NO: 5

75 <211> LENGTH: 1140

76 <212> TYPE: DNA

77 <213> ORGANISM: Homo sapiens

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82 atctagaggg tattaataat gtatcgctta aataaggagg aataacatat ggtgctgtct 180

83 cctgcgcgaca agaccaacgt caaggccgcc tggggtaagg tcggcgcgca cgtggcgag 240

84 tatggtgcgg aggccttga gaggatgttc ctgtccttcc ccaccacca gacctacttc 300

85 ccgcaatttc atctgagcca cggtctgcc caggttaagg gccacggcaa gaaggtggcc 360

86 gagcggctga ccacggcgtt ggccgagtg gagacatgc ccacggcgtt gtcggcctt 420

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95 ttgcacacct gattgagctg cactgtgaca agctgcacgt ggtacttgag aacttcaggc 960

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97 cgttgcacgc ttcctacag aaagtgggtg ctggtgtggt taatgcctg gccacaagt 1080

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119 <210> SEQ ID NO: 6

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122 <213> ORGANISM: Artificial Sequence

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132 <210> SEQ ID NO: 7

133 <211> LENGTH: 1140

134 <212> TYPE: DNA

135 <213> ORGANISM: Homo sapiens

137 <400> SEQUENCE: 7

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139 caattttcaca caggaaacag aattcgagct cggtaaccgg gctacatgga gattaactca 120

140 atctagaggg tattaataat gtatcgctta aataaggagg aataacatat ggtgctgtct 180

141 cctgcgcgaca agaccaacgt caaggccgcc tggggtaagg tcggcgcgca cgtggcgag 240

142 tatggtgcgg aggccttga gaggatgttc ctgtccttcc ccaccacca gacctacttc 300

143 ccgcaatttc atctgagcca cggtctgcc caggttaagg gccacggcaa gaaggtggcc 360

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150	gaagagctga	ccaaacgagct	ggagcacgtg	gaagacatgc	ccaaacgagct	gtccgagctg	420
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154	tacatgctgg	tgacccctgg	cgcacacctc	cccgcagagt	tcacccctgc	ggtgcacgac	540
156	tccttgagaa	agttccctgg	ttctgtgagc	accgtgctga	cctccaaaata	ccgttaaact	600
158	agaggggtatt	aataatgtat	cgtttaaata	aggaggaata	acatatggtg	cacctgaact	660
160	ctgagagagaa	gtctgacgtt	actgcccgtg	ggggcaagggt	gaacgtggat	gaagttgggtg	720
162	atgagagccct	ggagaggtg	ctggtggtct	acccttggac	ccagaggttc	tttgagtccct	780
164	ttggggatct	gtccactccct	gatgctgtta	tgggcaaccc	taaggtgaag	gtccatggca	840
166	agaaagtgtct	cgggtgccttt	agtgatggcc	tggctcactt	ggacaacctc	aagggcacct	900
168	ttgcacact	gagtgaactg	cactgtgaca	agctgcacgt	ggatccctgag	aacttcaggt	960
170	ggctagggaa	cgtgctgggc	tggtgctgg	cccatcactt	tggcaaaagaa	ttcaccacac	1020
172	cagtgcaggg	tgccatcag	aaagtgggtg	ctggtgtggc	taatgcctg	gcccacaagt	1080
174	atcactaagg	atgcactctg	tttgccggat	gagagaagat	tttcagcctg	atacagatta	1140

VERIFICATION SUMMARY

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